



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth

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Features

- Halogen free available upon request by adding suffix "-HF"
- Protects two bi-directional lines
- Ultra low leakage: nA level
- Operating voltage: 24V
- Low clamping voltage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: 24C/24M

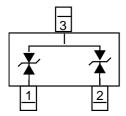
Maximum Ratings

Operating Junction Temperature: -55°C to +125°C

• StorageTemperature: -55°C to +150°C

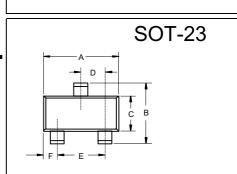
Parameter		Symbol	Limits	unit
IEC61000-4-2(ESD)	Air		±30	12.7
	Contact		± 30	KV
IEC61000-4-4 (EFT): @ 5/50ns			40	Α
Peak Pulse Power			300	W

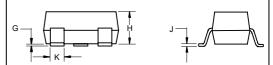
PinConfiguration



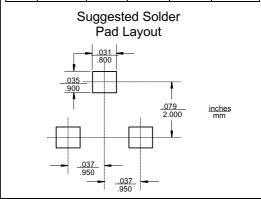
SM24B

24 Volts ESD Protection Device





DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.104	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
Н	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	



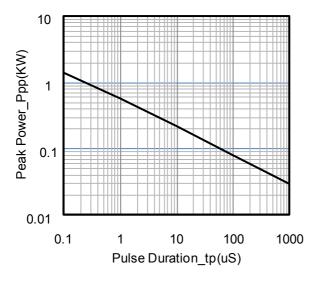


Electrical characteristics per line@25°C(unless otherwise specified)

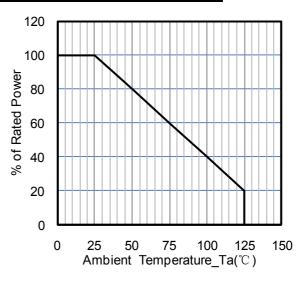
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse working voltage	V_{RWM}				24	٧
Breakdown voltage	V_{BR}	I _t = 1mA	27			V
Reverse Leakage Current	I _R	V _{RWM} = 24V			0.2	μΑ
Clamping Voltage	Vc	I _{PP} =1A(8/20us)			42	V
Clamping Voltage	Vc	I _{PP} =4A(8/20us)		44	50	V
Peak Pulse Current	I PP	t _P = 8/20µs			4	Α
Junction Capacitance	CJ	V_R =0V f = 1MHz pin1 to pin3 or pin2 to pin3		20		pF



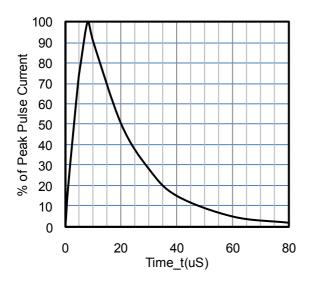
Typical Performance Characteristics (T_A=25°C unless otherwise Specified)



Peak Pulse Power vs. Pulse Time



Power Derating Curve



8 X 20us Pulse Waveform



Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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